

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P757000

Luminaire Tested: LD6D02D010-EU6DR200210IC9030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR200210IC9030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 307.0 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



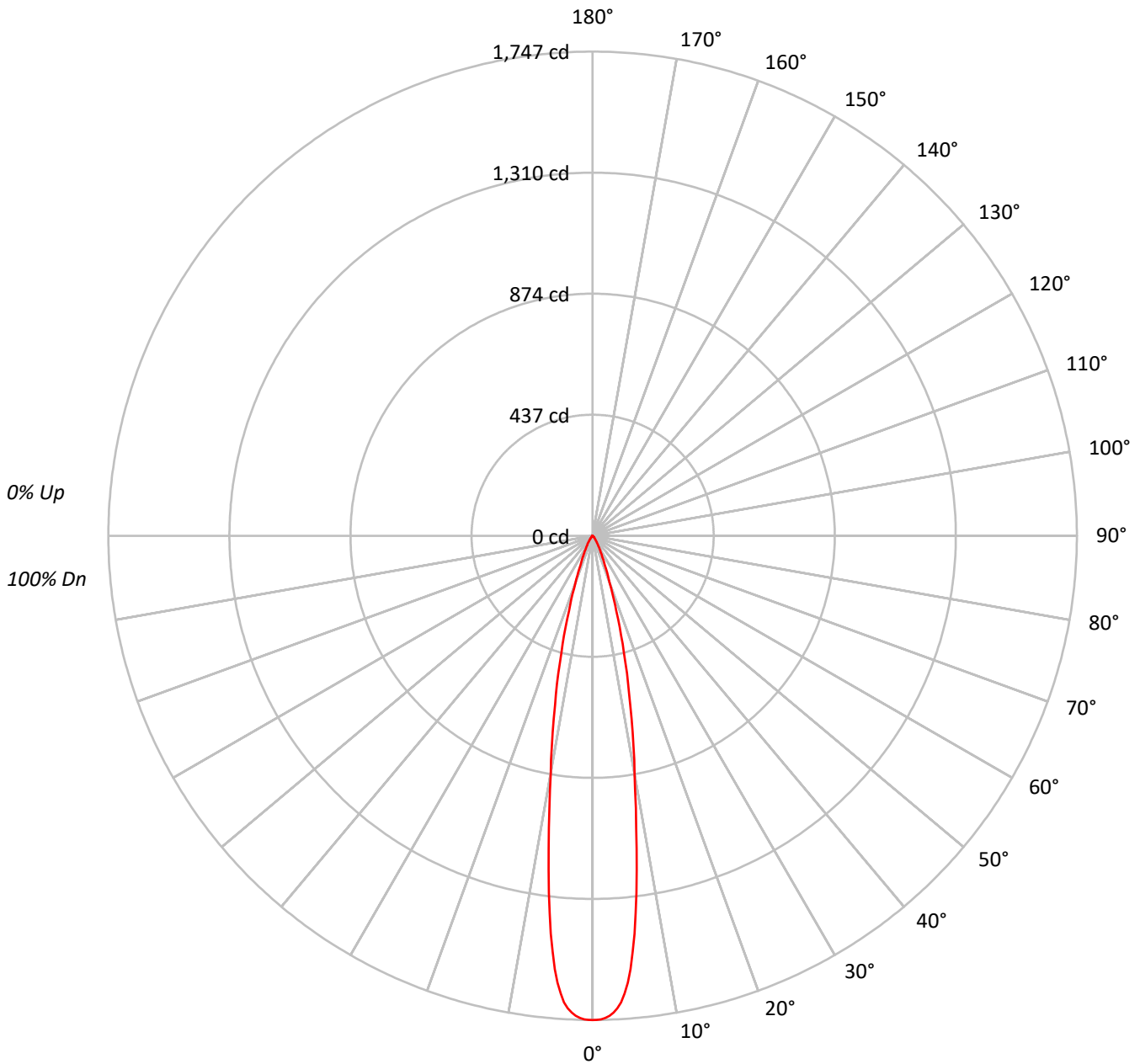
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	95	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	93	89																
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	85	91	88																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	88	86																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	86	84																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	84	82																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	82	80																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	81	78																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190922
5°	172239
10°	96667
15°	49137
20°	20801
25°	9608
30°	5084
35°	2734
40°	1469
45°	865
50°	510
55°	267
60°	175
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	40.5
10°-20°	122.5	39.9
20°-30°	40.0	13.0
30°-40°	13.6	4.4
40°-50°	4.6	1.5
50°-60°	1.4	0.5
60°-70°	0.5	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	286.9	93.5
0°-40°	300.5	97.9
0°-60°	306.5	99.8
0°-90°	307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	307.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1747	
5°	1570	124
15°	434	123
25°	80	40
35°	20	14
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1747.4
0.5°	1747.4
1°	1745.2
1.5°	1740.8
2°	1732.9
2.5°	1722.3
3°	1707.4
3.5°	1686.5
4°	1655.6
4.5°	1617.9
5°	1570.4
5.5°	1508.0
6°	1444.1
6.5°	1370.8
7°	1299.1
7.5°	1215.1
8°	1140.1
8.5°	1064.6
9°	994.9
9.5°	930.9
10°	871.3
12.5°	625.7
15°	434.4
17.5°	283.8
20°	178.9
22.5°	115.9
25°	79.7
27.5°	56.0
30°	40.3
32.5°	28.9
35°	20.5
37.5°	14.3
40°	10.3
42.5°	7.5
45°	5.6
47.5°	4.4
50°	3.0
52.5°	1.9
55°	1.4
57.5°	1.1
60°	0.8
62.5°	0.6
65°	0.5



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		0.3
70°		0.2

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(END OF REPORT)